

Figure 1A

>1730294	GACGCCCAGT	GACCTGCCGA	GGTCGGCAGC	ACAGAGCTCT	GGAGATGAAG
>1730294IH	GACGCCCAGT	GACCTGCCGA	GGTCGGCAGC	ACAGAGCTCT	GGAGATGAAG
Consensus	GACGCCCAGT	GACCTGCCGA	GGTCGGCAGC	ACAGAGCTCT	GGAGATGAAG
>1730294	ACCCTGTTCC	TGGGTGTCAC	GCTCGGCCTG	GCCGCTGCCC	TGTCCTTCAC
>1730294IH	ACCCTGTTCC	TGGGTGTCAC	GCTCGGCCTG	GCCGCTGCCC	TGTCCTTCAC
Consensus	ACCCTGTTCC	TGGGTGTCAC	GCTCGGCCTG	GCCGCTGCCC	TGTCCTTCAC
>1730294	CCTGGAGGAG	GAGGATATCA	CAGGGACCTG	GTACGTGAAG	GCCATGGTGG
>1730294IH	CCTGGAGGAG	GAGGATATCA	CAGGGACCTG	GTACGTGAAG	GCCATGGTGG
>1213903		GGATATCA	CAGGGACCTG	GTACGTGAAG	GCCATGGTGG
Consensus	CCTGGAGGAG	GAGGATATCA	CAGGGACCTG	GTACGTGAAG	GCCATGGTGG
>1730294	TCGATAAGGA	CTTTCCGGAG	GACAGGAGGC	CCAGGAAGGT	GTCCCCAGTG
>1730294IH	TCGATAAGGA	CTTTCCGGAG	GACAGGAGGC	CCAGGAAGGT	GTCCCCAGTG
>1213903	TCGATAAGGA	CTTTCCGGAG	GACAGGAGGC	CCAGGAAGGT	GTCCCCAGTG
Consensus	TCGATAAGGA	CTTTCCGGAG	GACAGGAGGC	CCAGGAAGGT	GTCCCCAGTG
>1730294	AAGGTGACAG	CCCTGGGCGG	TGGGAAGTTG	GAAGCC	
>1730294IH	AAGGTGACAG	CCCTGGGCGG	TGGGAAGTTG	GAAGCCACGT	TCACCTTCAT
>1213903	AAGGTGACAG	CCCTGGGCGG	TGGGAAGTTG	GAAGCCACGT	TCACCTTCAT
Consensus	AAGGTGACAG	CCCTGGGCGG	TGGGAAGTTG	GAAGCCACGT	TCACCTTCAT
>1730294IH	GAGGGAGGAT	CGGTGCATCC	AGAAGAAAAT	CCTGATGCGG	AAGACGGAGG
>1213903	GAGGGAGGAT	CGGTGCATCC	AGAAGAAAAT	CCTGATGCGG	AAGACGGAGG
Consensus	GAGGGAGGAT	CGGTGCATCC	AGAAGAAAAT	CCTGATGCGG	AAGACGGAGG
>1730294IH	AGCCTGGCAA	ATACAGCGCC	TATGGGGGCA	GGAAGCTCAT	GTACCTGCAG
>1213903	AGCCTGGCAA	ATACAGCGCC	TATGGGGGCA	GGAAGCTCAT	GTACCTGCAG
Consensus	AGCCTGGCAA	ATACAGCGCC	TATGGGGGCA	GGAAGCTCAT	GTACCTGCAG
>1730294IH	GAGCTGCCCCA	GGAGGGACCA	CTACATCTTT	TACTGCAAAG	ACCAGCACCA
>1213903	GAGCTGC				
<g2185139	CTGCCCCA	GGAGGGACCA	CTACATCTTT	TACTGCAAAG	ACCAGCACCA
Consensus	GAGCTGCCCCA	GGAGGGACCA	CTACATCTTT	TACTGCAAAG	ACCAGCACCA
>1730294IH	TGGGGGCCTG	CTCCACATGG	GAAAGCTTGT	GGGTAGGAAT	TCTGATACCA
<g2185139	TGGGGGCCTG	CTCCACATGG	GAAAGCTTGT	GGGTAGGAAT	TCTGATACCA
Consensus	TGGGGGCCTG	CTCCACATGG	GAAAGCTTGT	GGGTAGGAAT	TCTGATACCA
>1730294IH	ACCGGGAGGC	CCTGGAAGAA	TTTAAGAAAT	TGGTGCAGCG	CAAGGGACTC
<g2185139	ACCGGGAGGC	CCTGGAAGAA	TTTAAGAAAT	TGGTGCAGCG	CAAGGGACTC
Consensus	ACCGGGAGGC	CCTGGAAGAA	TTTAAGAAAT	TGGTGCAGCG	CAAGGGACTC
>1730294IH	TCGGAGGAGG	ACATTTTTCAC	GCCCCCTGCAG	ACGGGAAGCT	GCGTTCCCGA
<g2185139	TCGGAGGAGG	ACATTTTTCAC	GCCCCCTGCAG	ACGGGAAGCT	GCGTTCCCGA
Consensus	TCGGAGGAGG	ACATTTTTCAC	GCCCCCTGCAG	ACGGGAAGCT	GCGTTCCCGA

Figure 1B

>1730294IH	ACACTAGGCA	GCCCCCGGGT	CTGCACCTCC	AGAGCCCACC	CTACCACCAG
<g2185139	ACACTAGGCA	GCCCCCGGGT	CTGCACCTCC	AGAGCCCACC	CTACCACCAG
Consensus	ACACTAGGCA	GCCCCCGGGT	CTGCACCTCC	AGAGCCCACC	CTACCACCAG
>1730294IH	ACACAGAGCC	CGGACCACCT	GGACCTACCC	TCCAGCCATG	ACCCTTCCCT
<g2185139	ACACAGAGCC	CGGACCACCT	GGACCTACCC	TCCAGCCATG	ACCCTTCCCT
Consensus	ACACAGAGCC	CGGACCACCT	GGACCTACCC	TCCAGCCATG	ACCCTTCCCT
>1730294IH	GCTCCCACCC	ACCTGACTCC	AAATAAAGTC	CTTCTCCCCC	CA
<g2185139	GCTCCCACCC	ACCTGACTCC	AAATAAAGTC	CTTCTCCCCC	
Consensus	GCTCCCACCC	ACCTGACTCC	AAATAAAGTC	CTTCTCCCCC	CA

23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Figure 2

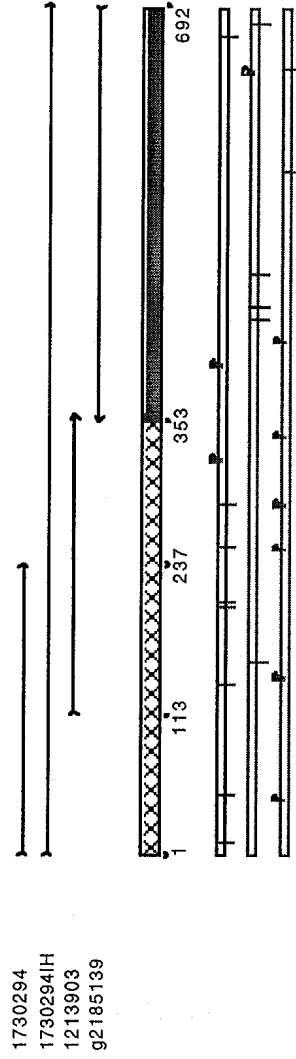
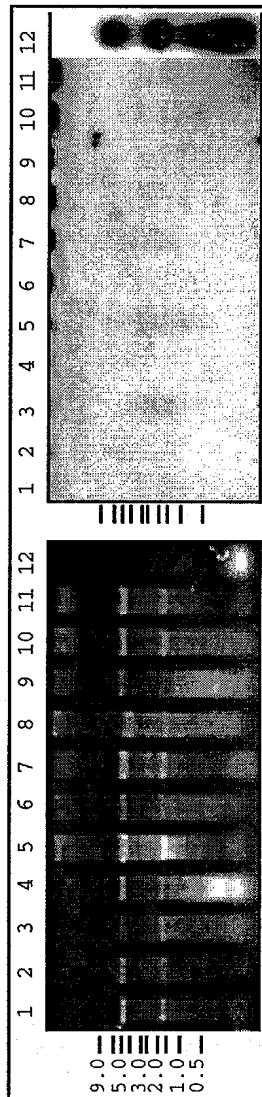
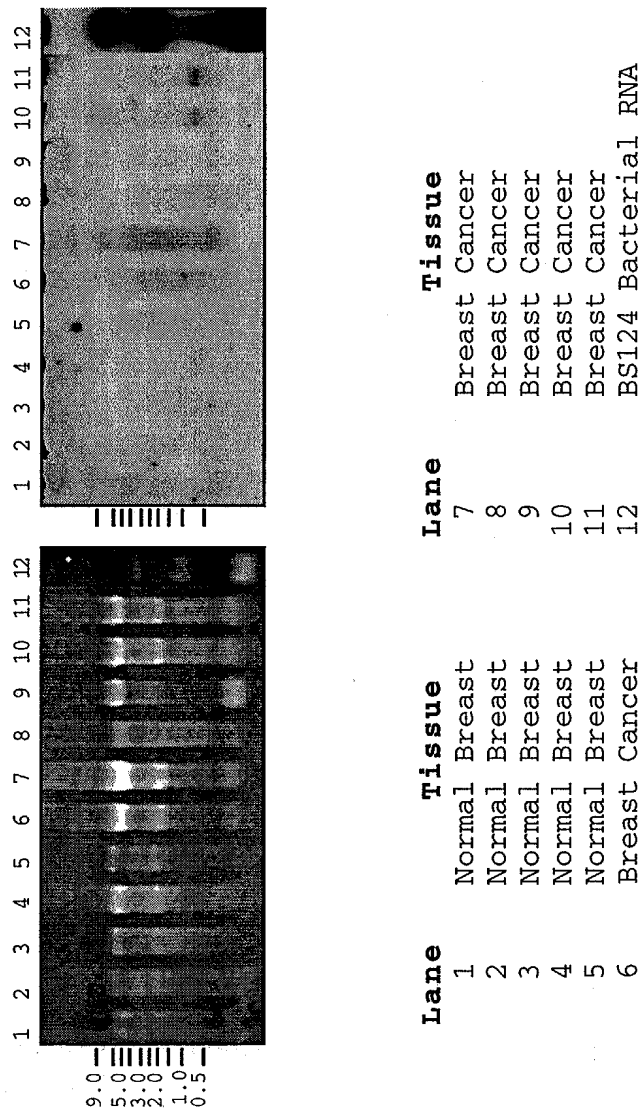


Figure 3A



Lane	Tissue	Lane	Tissue
1	Normal Bladder	7	Normal Ovary
2	Normal Breast	8	Normal Prostate
3	Normal Colon	9	Normal Spleen
4	Normal Kidney	10	Normal Testis
5	Normal Liver	11	Normal Uterus
6	Normal Lung	12	BS124 Bacterial RNA

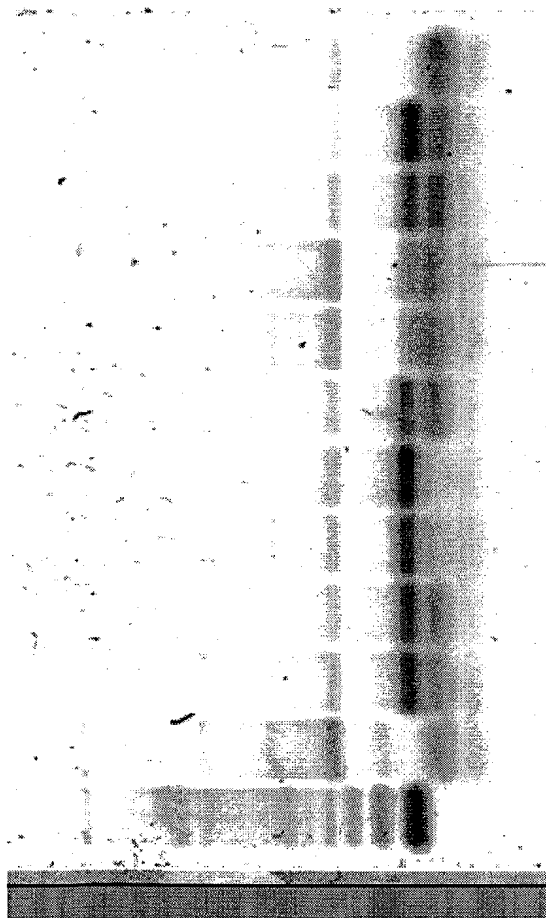
Figure 3B



666799 666666

Figure 4A

1 2 3 4 5 6 7 8 9 10 11 12

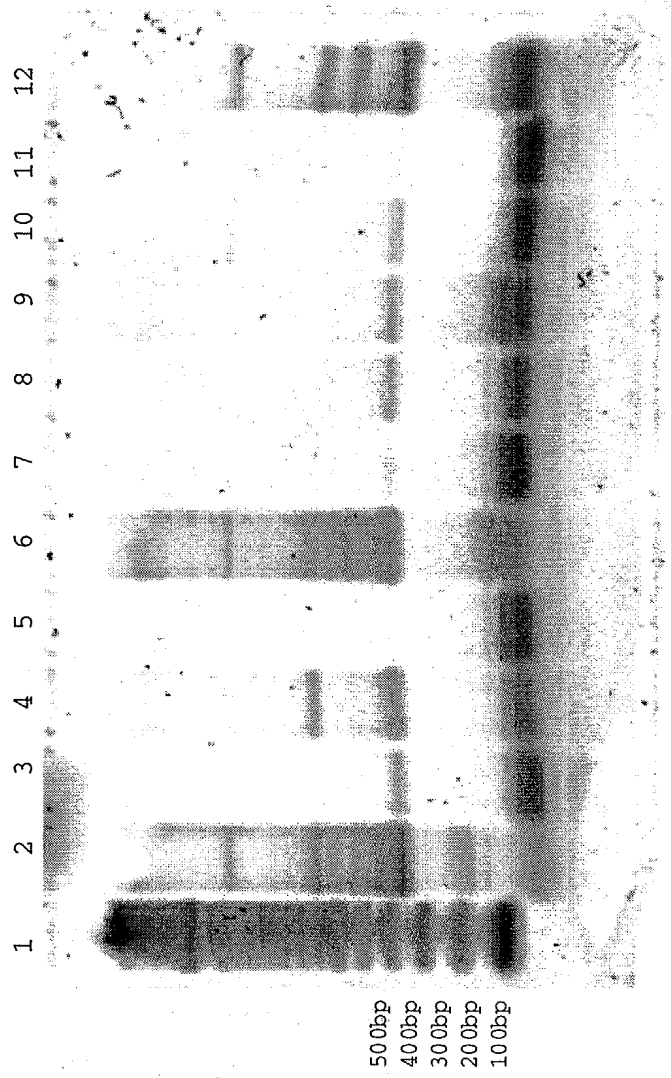


400bp
300bp
200bp
100bp

Lane	Tissue	Lane	Tissue
1	100 bp DNA Marker	7	Normal Breast
2	Placental DNA	8	Breast Cancer
3	Normal Breast	9	Breast Cancer
4	Normal Breast	10	Breast Cancer
5	Normal Breast	11	Breast Cancer
6	Normal Breast	12	Breast Cancer

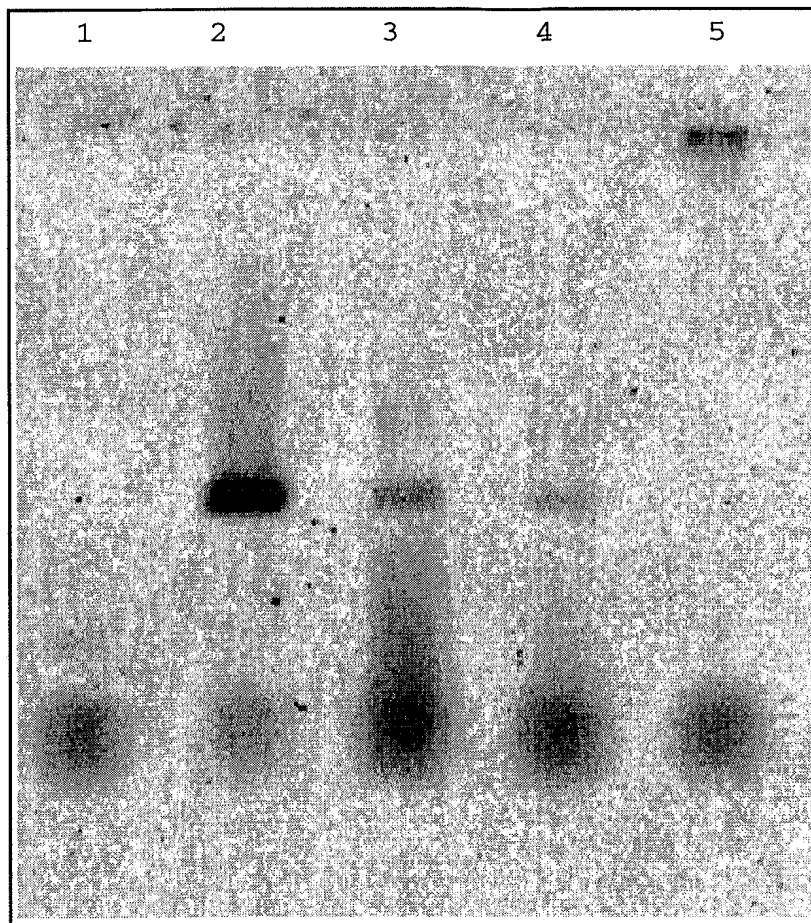
355739 62356353

Figure 4B



Lane	Tissue	Lane	Tissue
1	100 bp DNA Marker	7	Lung Cancer
2	Placental DNA	8	Normal Colon
3	Normal Lung	9	Colon Cancer
4	Normal Lung	10	Colon Cancer
5	Lung Cancer	11	Normal Colon
6	Normal Lung	12	Colon Cancer

Figure 5A



Lane	Sample
1	Water, reagent control
2	Transcript RNA
3	T47D RNA (neat)
4	T47D RNA (diluted 1:10)
5	Human Placenta DNA

Figure 5B

LCx® Results in counts/sec/sec

BS124 Transcript
at 40 cycles

T-47D Cell Line
at 45 cycles

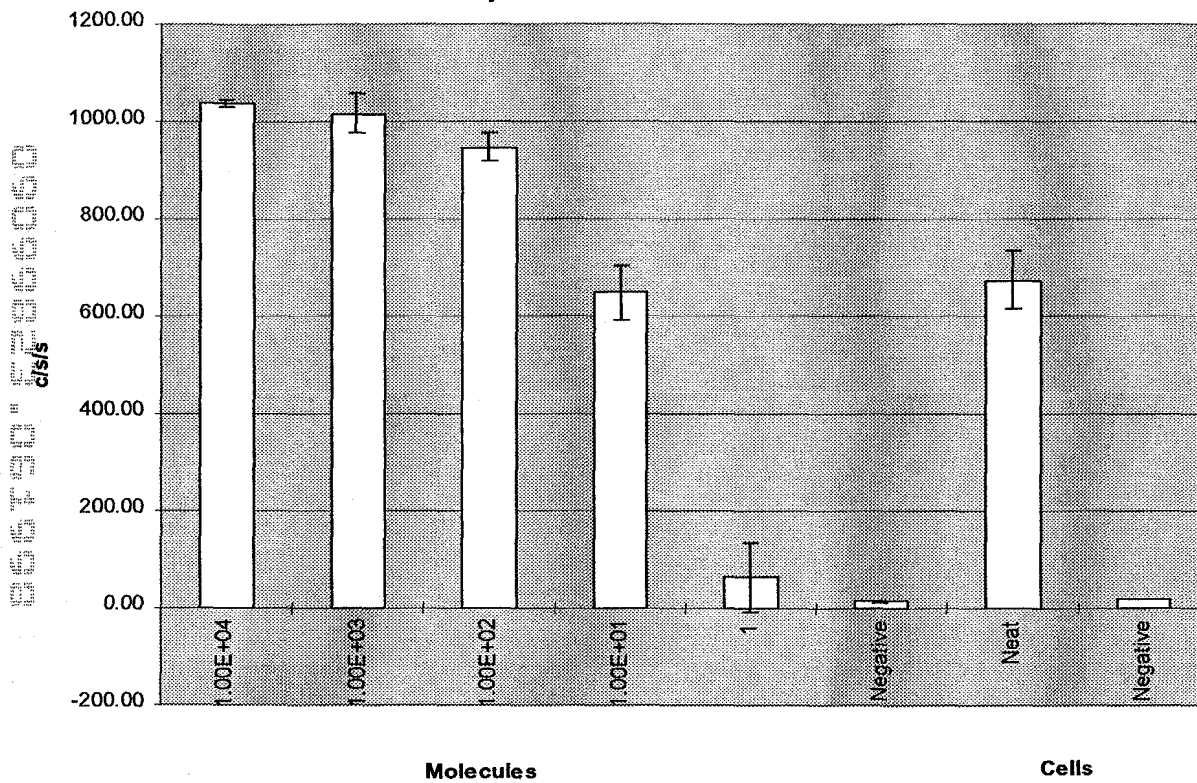
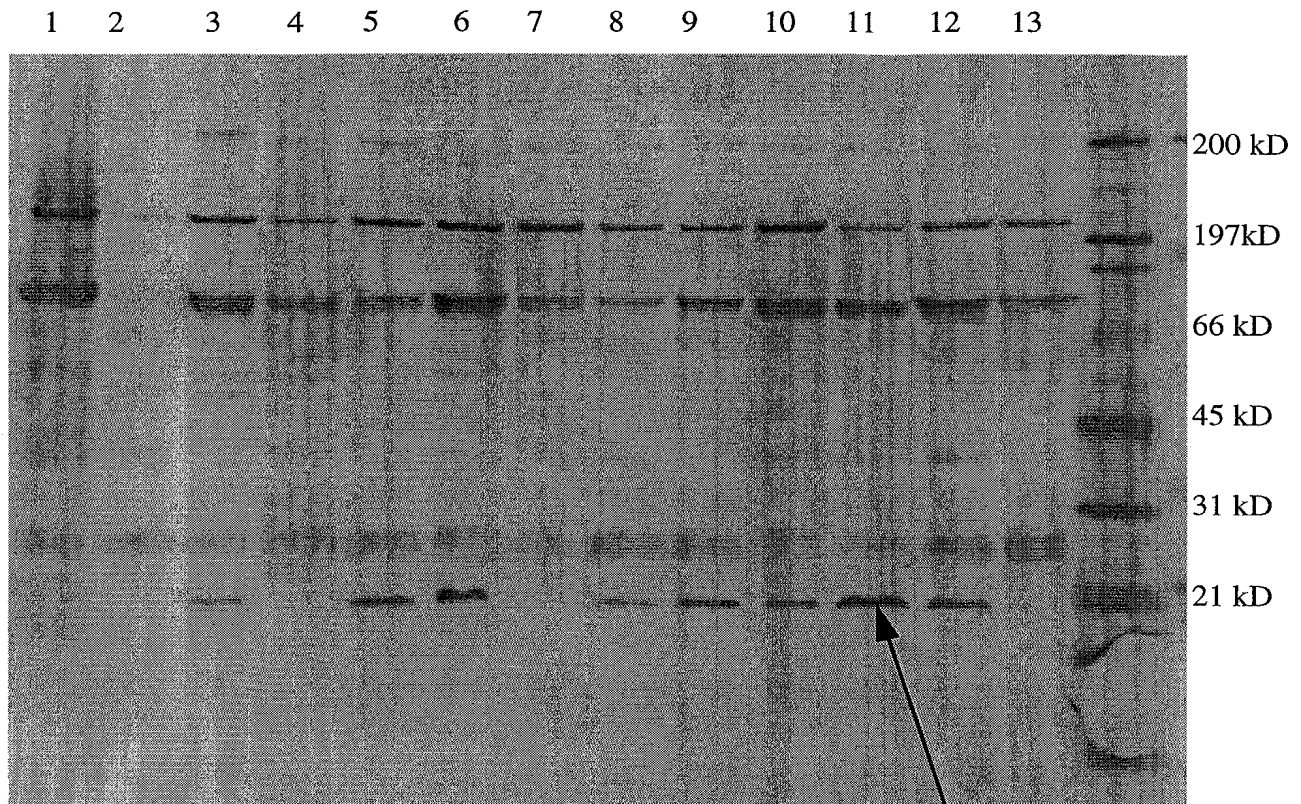
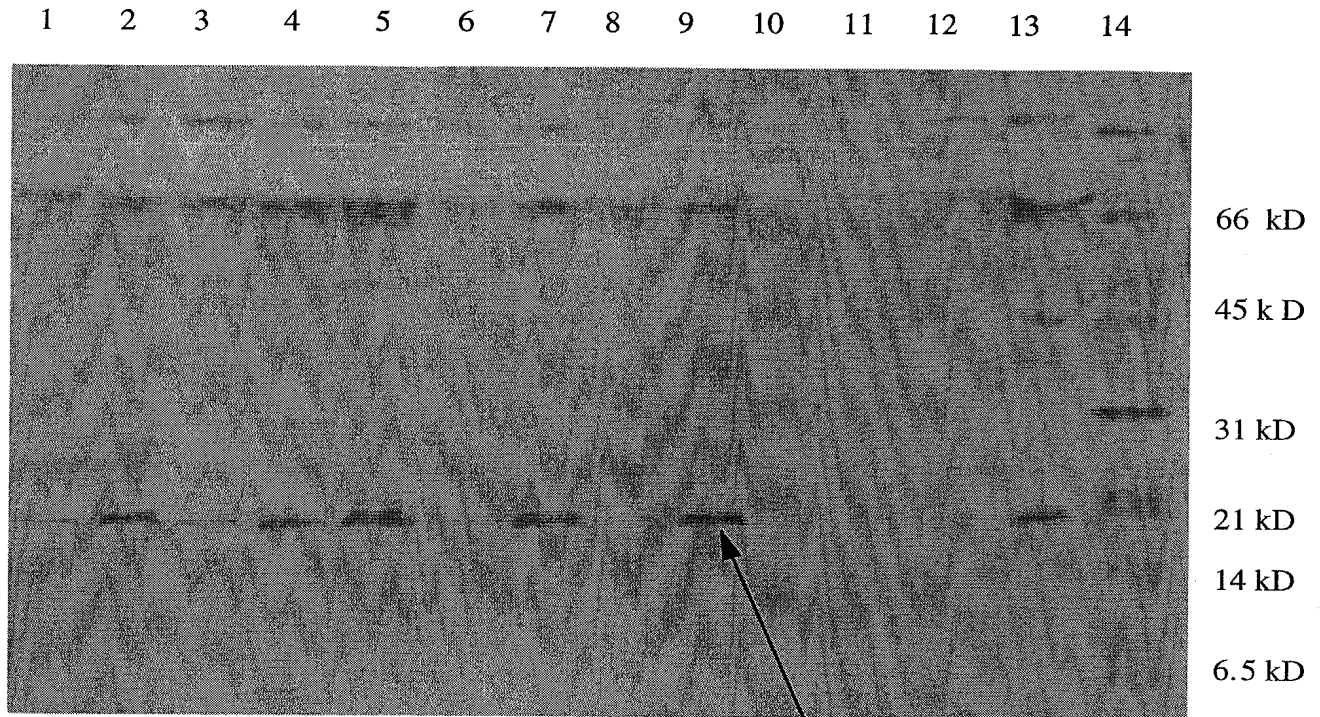


Figure 6A



Lane	Tissue	Lane	Tissue
1	Normal Kidney	8	Breast Cancer
2	Normal Bladder	9	Breast Cancer
3	Colon Cancer	10	Breast Cancer
4	Normal Lung	11	Breast Cancer
5	Breast Cancer	12	Breast Cancer
6	Breast Cancer	13	Breast Cancer
7	Breast Cancer	14	Markers

Figure 6B



Lane	Tissue	Lane	Tissue
1	BPH	8	Normal Bladder
2	Prostate Cancer	9	Bladder Cancer
3	Lung Cancer	10	Normal Breast
4	Normal Colon	11	Normal Breast
5	Colon Cancer	12	Normal Breast
6	Normal Bladder	13	Breast Cancer
7	Bladder Cancer	14	Markers